

IN THE CLAIMS:

1. (Currently Amended) A cathode ray tube comprising:

a glass bulb that is formed by joining a substantially rectangular panel with a funnel that houses an electron gun in a neck thereof; and

5      an internal magnetic shield that is substantially in a shape of a hollow truncated pyramid which is rectangular in a cross section, the internal magnetic shield being housed in the glass bulb such that a small ~~diameter~~ opening of the internal magnetic shield faces toward the electron gun, wherein

10     in the internal magnetic shield, a first short edge and a second short edge are arranged to face each other across the small ~~diameter~~ opening, and each short edge is in a shape of a valley that drops toward the panel over an entire length thereof, and a first long edge and a second long edge are arranged to face each other across the small ~~diameter~~ opening, and each long edge is in a shape of a mountain that rises toward the electron gun over an entire length thereof, the first and second short edges and the first and second long edges collectively form an entire perimeter of the small opening of the internal magnetic shield.

2. (Original) The cathode ray tube of Claim 1, wherein

the internal magnetic shield is structured such that in terms of a height of the internal magnetic shield from a plane that is perpendicular to a tube axis of the cathode ray tube and includes a point at an intersection of an inner surface of the panel with the tube axis, tops of 5      the long edges in the shape of the mountain have a largest height, points where long edges meet short edges have a smaller height than the tops of the long edges, and bottoms of the short edges

in the shape of the valley have a smaller height than the points where the long edges meet the short edges.

3. (Currently Amended) The cathode ray tube of Claim 2, wherein

at a rim of the small ~~diameter~~ opening, the height of the internal magnetic shield from the plane decreases gradually from the tops of the long edges to the bottoms of the short edges.

4. (Previously Presented) The cathode ray tube of Claim 1, wherein

the shape of the valley is symmetrical on either side of a center of each of the first and second short edges, and the shape of the mountain is symmetrical on either edge of a center of each of the first and second long edges.

5. (Previously Presented) The cathode ray tube of Claim 1, wherein

each short edge is continuous to each long edge at each end thereof.

6. (Previously Presented) The cathode ray tube of Claim 1, wherein

each of the first and second short edges is in a shape of an inverted trapezoid, a character “U”, a character “V”, or an arc as the shape of the valley, and each of the first and second long edges is in a shape of an obtuse-angled isosceles triangle as the shape of the

5 mountain.

7. (Previously Presented) The cathode ray tube of Claim 1, wherein

a first long edge plate including the first long edge and a second long edge plate including the second long edge are arranged to face each other, and a first short edge plate including the first short edge and a second short edge plate including the second short edge are

5 arranged to face each other, so that the internal magnetic shield is substantially in the shape of the hollow truncated pyramid, and

each of the first and second long edge plates has a slit that extends from a center of each of the first and second long edges toward the panel.

8. (Previously Presented) The cathode ray tube of Claim 1 further comprising:

a rectangular frame that supports the internal magnetic shield at an end of the internal magnetic shield where a large diameter opening is formed; and

a tension mask that is supported by the rectangular frame, wherein

5 a phosphor screen, which is composed of red, green, and blue phosphors that are arranged to form vertical stripes, is formed on the inner surface of the panel.

9. (Previously Presented) A cathode ray tube providing a display screen comprising:

an electron gun;

a glass bulb that is formed by joining a substantially rectangular panel with a funnel that houses the electron gun in a neck thereof; and

5 an integral internal magnetic shield in a shape of a hollow truncated pyramid which is rectangular in a cross section with a base mounted adjacent the rectangular panel, the internal magnetic shield being housed in the glass bulb such that a small truncated opening of the internal magnetic shield faces toward the electron gun, wherein

10 in the internal magnetic shield, a first short edge and a second short edge are arranged to face each other across the small truncated opening and a first long edge and a second long edge are arranged to face each other across the small truncated opening and collectively the short edges and the long edges form an entire perimeter of the small truncated opening with a

15 tube axis extending through a center of the small truncated opening, the first long edge and the second long edge each have an apex positioned so that a line through the tube axis to the respective apexes is perpendicular to a line through a center position of each short edge and the first and second long edges form a continued acute angle from an intersection of the line containing the tube axis and the apexes, wherein each point, from the apexes to the respective short edges, are on a surface sloping downward whereby color drift in the vicinity of a centered upper and lower end portion of the display screen is reduced.

20 10. (Previously Presented) The cathode ray tube of Claim 9 wherein each of the respective long edges form an obtuse-angled isosceles triangle that extends away from the base.

11. (Previously Presented) The cathode ray tube of Claim 10 wherein each of the respective short edges form an inverted trapezoid that extends toward the base.